	A	В	C	D
1	Station Number	Lithologies	Foliation Orientations	Notes
2		5 1 10		
3	1	Basalt 10%		
5	2	Schist 100%		
6		Schist 100/0		
7	3	Schist 100%	N15E, 79NW	
8			·	
9	4	Schist		
10		Granite		
11 12		pegmatite(small dike)		
13		uike)		
14	5	Schist 100%	N6E, 84SE	
15				
16	6	Schist 100%	N16W, 86NE	Highly micaceous schist; biotite and muscovite. Weathering color
17				is gray to rusty red.
18 19	7	Schist 100%	N39E, 72NW	Quartz- mica dominated schist, weathers so that quartz is retained
20	,	Semse 10070	N80E, 76W	on surface
21			N44E, 72NW	
22				
23	8	Schist 100%	N40E, 66NW	Highly micaceous schist; biotite and muscovite
24 25			N44E, 74NW	
26	9	Schist 100%	N69E, 77NW	Lots of biotite, weathers gray to rusty. Southern exposure is much
27			- · · · · · · · · · · · · · · · · · · ·	more coarse-grained contains more quartz, and is less foliated
28				
29	10	Schist	N65E, 86SE	Granular schist, weathers gray to rusty, lots of quartz, little biotite,
30		Granite?		possible phlogopite
32	11	Schist 86%	N44E,90	Schist is well foliated and micaceous, lots of biotite and muscovite
33		Granite 10%	N19E, 90	Somet is well foliated and infederous, folis of blotte and induced the
34		Pegmatite 4%		
35		~	27.45 0.465	
36 37	12	Schist 90%	N41E, 84SE	Sharp contact with an orientation of N83E, 64S; schist weathers
38		Granite 10% Pegmatite less		rust-gray
39		than 1%		
40				
41	13	Granite 90%		Schist occurrs as an inclusion within granite
42		Schist less than		
43		10%		
45	14	Granite 100%		intrusion looks as if it has incorporated much of the country rock
46	-			The second of the country took
47	15	Schist 80%	N61E, 79NW	
48		Amphibolite? 20%		
49 50				
51	16	Schist 100%	N46E, 88NW	
52		Semot 10070	N53E, 90	
53			,	
54	17	Schist 100%	N44E, 84NW	western exposure is gniessic

	A	В	С	D
1 55 56 57	Station Number	Lithologies	Foliation Orientations N40E, 83NW N39E, 83SE	Notes
58 59 60 61 62		Schist 40% Granite 50% Pegmatite 10% or less	N46E, 79NW	graded, diffuse contact
	19	Schist 75% Granite 20% Pegmatite 5%	N8W, 82E N16E, 90 N64E, 86NW N25E, 70SE N27E, 88SE	Contact interfingers variably and in between fractures(??), foliation is imposed into tight low amplitude folds. Development of folding is variable across outcrop. Many of the folds are about .05m amplitude, with a wavelength of .2m. Axial trace pitches 62 degrees, N52E. One contact plane stikes N15E, with a dip of 45 degrees to the SE.
70 71 72 73		Schist 91% Granite 8% Pegmatite less than 1%	N46E, 27NW N31E, 49NW N31E, 42NW	Orientation of pegmatite dikes are: furthest North N80W (.06m wide) furthest South N83W, .02m wide)
74 75 76 77 78		Schist Granite	N49E, 74NW N23W, 82SW N55E, 80NW	Granite dike is oriented N85W, 6S and is .05m thick
		Schist 98% Pegmatite 2%		Hydrothermal alteration present. Pegmatite occurs as a dike.43m wide, which changes orientation in exposure from an apparent dip 61 degrees to the west to subvertical in upper roprtion of outcrop.
84 85 86 87	23	Schist 90% Pegmatite less than 10% Granite 100%	N33E, 83SE N41E, 81SE N35E,82SE	Pegmatite occurs as pods.
90 91 92 93 94 95	25	Granite 100% Granite 50% Schist 30% Tectonized Granite 20% Pegmatite less than 1%, but present	N24E, 87NW N28E, 90	Tectonized biotite-granite present in north section of outcrop
97 98 99 100	27	Schist 100% Schist 98% Pegmatite 2%	N45E, 74SE	
101 102 103 104 105 106 107		Granite Schist Pegmatite 4% Tectonized granite Basalt	N11E, 41SE	Mafic dike is orientated N23E, 80NW and is .1m thick. The Tectonized granite shows a very distinct fabric with an orientation of N46E,58NW. Relationship of units is complex and contact between schist and granite is gradational, but discernable within about 2". Percentage values of schist and granite are uncertain but there appears to be more granite. Pegmatite appears as pods and

Station Number Lithologies Foliation Orientations Minor amount of schist. Granite is tectonized and is I	light colored.
The content of the	light colored.
The second of	light colored.
111 112 113 114SchistN38E, 85SE114 115 116SchistComposition is highly variable.116 11732SchistLots of pegmatite present at station 32. Pegmatite dike is oriented N46E, 87SE and then bifurcates; pegmatite may have been emplaced in a fracture.	ngnt colored.
1121330SchistN38E, 85SE11411531SchistComposition is highly variable.11611732SchistN18W, 56NELots of pegmatite present at station 32. Pegmatite118Pegmatite (lots of pegmatite)dike is oriented N46E, 87SE and then bifurcates; pegmatite may have been emplaced in a fracture.	
11330SchistN38E, 85SE11431SchistComposition is highly variable.11632SchistN18W, 56NELots of pegmatite present at station 32. Pegmatite118Pegmatite (lots of pegmatite)dike is oriented N46E, 87SE and then bifurcates; pegmatite may have been emplaced in a fracture.	
11411531SchistComposition is highly variable.11632SchistN18W, 56NELots of pegmatite present at station 32. Pegmatite118Pegmatite (lots of pegmatite)dike is oriented N46E, 87SE and then bifurcates; pegmatite may have been emplaced in a fracture.	
11611732SchistN18W, 56NELots of pegmatite present at station 32. Pegmatite118Pegmatite (lots of pegmatite)dike is oriented N46E, 87SE and then bifurcates; pegmatite may have been emplaced in a fracture.	
11732SchistN18W, 56NELots of pegmatite present at station 32. Pegmatite118Pegmatite (lots of pegmatite)dike is oriented N46E, 87SE and then bifurcates; pegmatite may have been emplaced in a fracture.	
Pegmatite (lots dike is oriented N46E, 87SE and then bifurcates; of pegmatite) pegmatite may have been emplaced in a fracture.	
of pegmatite) pegmatite may have been emplaced in a fracture.	
121 33 Pegmatite Schist is very granular.	
122 Schist	
123	
124 34 Tectonized granite	
125 126 35 Tectonized granite	
127 127	
128 36 Schist N67W, 90 Micaceous schist	
129	
130 37 Schist 100% N61W, 80NE	
131	
132 38 Schist 100% N69W, 87SW Micaceous schist	
133 134 39 Schist N64W, 66NE Weathers with a lot of quartz on surface	
135 Tectonized N71W, 87NE	
136 granite?	
137	
138 40 Schist N61W, 82NE	
139	
140 41 Granite N36W, 83NE Micaceous to granular-granitic schist present Schist	
141 Schist 142	
143 42 Schist N72E, 90 Micaceous schist that weathers-out with quartz on sur	rface
143 42 Semst 1472E, 90 White decodes semst that weathers out with quartz on sur N76E, 90	
145	
146 43 Schist 59% N50W, 79NE	
147 Granite 40% N58W, 87NE	
Pegmatite less N87W no control on dip	
149 than 1% N27W, 81NE 150	
150 44 Granite 100% weathers gray	
152	
153 45 Schist N75E, 88NW Pin-striped schist, weathers a rusty-red, lots of	
154 N53E, 81NW quartz	
N61E, no dip control	
156 157 46 Schist N14W, 54NE Well pin-striped schist, weathers rusty-red	
157 46 Schist N14W, 54NE Well pin-striped schist, weathers rusty-red N37W, 70NE	
159 N29W, 66NE	
160	,

	A	В	С	D
1	Station Number	Lithologies	Foliation Orientations	Notes
161	47	Schist		.13m thick quartzite?? or granite layer in schist
162		Granite?		
163				
164	48	Schist	N37W, 76SW	
165	40	~		
166	49	Schist	N4E, 79E	Nicely exposed ptygmatic fold exposed in foliation
167	50	C:4- 0 C:00		
168 169	30	Granite ? or Gniess??		
170	51	Schist	N47W, 76SW	Micaceous, pin-striped schist, well foliated
171		Semse	1117 11, 705 11	Will foliated
172	52	Granite 25%		Northern quarter of outcrop is granite
173		Schist 75%		1
174				
175	53	Gniessic schist	N20E, 54SE	
176		or Granite(??)		
177				
178		Gniessic schist	N11W, 49NE	Quartz dike cutting up foliation with a strike of due north and
179		or Granite(??)		north and a dip of 42 degrees to the east
180 181	55	Gneissic Schist	N61W, 78SW	Feldsic biotite gneiss; small pegmatite dike cutting across foliation,
182	33	Olicissic Schist	NOT W, 785 W	roughly orientated N88W, 57N
183				Toughly offended 1000W, 57TV
184	56	Schist	N57W, 55NE	High biotite content schist
185				6
186	57	Gniessic schist		Well jointed rock; breaks with a lot of sharp clean fractures, where
187				the minerals have been reworked at the surface, quartz
188				mineralization??
189	7 0	0.11	N. 450 5.400	
190	58	Schist	N45E, 54SE	foliated schist
191 192	50	Schist	N11E, 26SE	
193	39	Schist	NITE, 20SE	
194	60	Schist	N7E, 11E	
195			1,72,112	
196	61	Gniessic Schist		
197				
198	62	Schist		No muscovite present, strong fabric developed
199		G 11	NATE OF THE	
200	63	Schist	N67E, 75SE	
201 202			N69E, 68SE	
202	61	Schist	N86E, 82N	
203	U -1	Dellist	11001, 0211	
205	65	Schist	N80E, 81NW	small folds seen outlined by foliarion
206		Pegmatite in	N74E, 69NW	
207		minor amounts	N53E, 79NW	
208			·	
209	66	schist		large pavement
210				
211	67	schist	N59E, 71SE	
212	60	Q 1		
213	68	Schist		

	A	В	С	D
1	Station Number	Lithologies	Foliation Orientations	Notes
214		Pegmatite in minor amour	nts	
215				
216	69	Schist		
217				
218	70	Schist		Poorly foliated, coarse grained schist
219	71	G 1: .	NAME STOP	
220	/1	Schist	N10E, 57SE	
221 222	72	Schist 100%	NITAE OONINA	
223	12	Schist 100%	N74E, 82NW N71E, 79SE	
224			N/IL, //SL	
225	73	Schist or Granite??		No muscovite present, but weathers in bulbous mounds showing
226	7.5	Semst of Grante		no foliation
227				
228	74	Schist		foliated, but still granular
229				
230	75	Schist 100%	N81E, no dip control	
231				
232	76	Schist	N65E, 77SE	
233				
	77	Schist		Very coarse grained schist??
235	70	G 11	NASE SANDI	
236	78	Schist	N25E, 74NW	
237 238			N21E, 63NW	
239			N21E, 74NW	
240	79	Schist or Granite??		Rock definitely has a definite fabric to it (tectonized or foliation??)
241		Semse of Granice		Rock definitely has a definite facile to it (actomized of foliation)
242	80	Schist		
243				
244	81	Tectonized	N32W, 74SW	Rock contains abundant biotite and muscovite
245		Granite(?)	N36W, 79SW	
246				
247	81	Schist	N75E, 75NW	pin-striped highly micaceous schist
248			N78E, 56NW	***This is a second station labled station 81
249	02	G 1: .		
250	82	Schist		Difuse boundaries and relationships between units.
251 252		Granite Pegmatite		
253		1 ogmanic		
254	83	Granite		Lots of Pegmatite around
255		Pegmatite		200 01 2 ognimino monine
256		Schist		
257				
258	84	Schist	N69E, 86NW	
259			N67E, 73NW	
260				
261	85	Very Granular schist??		
262		or Granite??		
263		 		
264	86	Gniessic granular schist??	,	Nice angular fractures, light gray color to rock from mix of quartz,
265				biotite and feldspar
266				

	A	В	C	D
	Station Number	Lithologies	Foliation Orientations	Notes
267	87	Schist		Granular Schist
268	0.0	G 11		
269	88	Schist		pin-striped schist
270	00			
271	89	Granite		
272 273	00	Granite		Very large vertical to overhanging wall of granite
274	90	Granne		very large vertical to overlianging wan of granite
275	01	Granite		2.5' thick granite dike cutting granular schist?, traceable for 30' or
276	<i>)</i> 1	Granular Schist(?)		more
277		Granatar Semst(.)		more
278	92	Granite		
279	<i>,</i> -			
280	93	Schist	N34E, no dip control	Schist cut by blebs and fingers of granite, granite roughly trending
281		Granite	1	N79E
282				
283	94	Granite 25%		Pegmatite dike has an apparent thickness of .8m thick and trends
284		Schist 65%		N75E and appears to be shallow dipping to the SE.
285		Pegmatite 10%		Glacial striations are oriented:
286				
287				
288				
289				
290				
291 292				
292	05	Granular Schist		Unfoliated to poorly foliated metamorphics (looks kind of like
294	93	97%		quartzite in fresh fractured surface). Pegmatite dike has an apparent
295		Pegmatite		thickness of .14m, and is roughly trending N82E, 52S.
296		3%		Glacial striations trending
297				
298				
299				
300				
301				
302				Ptygmatic folds of migmatite in schist, which are clearly cut by
303				pegmatite dikes.
304	0.6	C '4 450'	NOAE OOGE	
305	96	Granite 45%	N34E, 88SE	Granite has intruded as fingers, dikes, and blebs in a very complex
306		Pegmatite 5%	N20E, 86SE	manner; Granite occurs in foliation as convoluted folds and
307 308		Schist 45%		stringers. Migmatite is present and is cut by granite. Schist is hydrothermally altered, especially on southern end, of outcrop.
309				is nyuromermany ancreu, especiany on soumern end, or outerop.
310	97	Schist		Coarse grained schist, rusty-red weathering color; Quartz rich,
311		Semot		biotite, muscovite schist; large quartz grains.
312				statio, masso the semist, range quarte grains.
313	98	Schist 100%		
314		•		
315	99	Schist 100%	N3E, 75W	Schist is poorly foliated.
316			N0, 71W	-
317			N0, 68W	
318				
319	100	Schist	N31E, 74NW	Grainy schist, yellow-red weathering color; lots of biotite and

	A	В	С	D
1	Station Number	Lithologies	Foliation Orientations	Notes
320				and quartz, plus feldspar?
321 322	101	Schist	N31E, 58NW	Well foliated schist; biotite, feldspar?, quartz; rock has a red color.
323	101	Schist	NSIE, SON W	well foliated schist, blottle, feldsparr, quartz, fock has a fed color.
324	102	Schist	N63E, 62NW	Black, high biotite content schist. Little black veins cutting schist.
325			N48E, 57NW	
326	102	G.1:.	NOAE OCCE	The second of th
327 328	103	Schist	N34E, 86SE	Light colored schist, weathers a grungy brown color. Muscovite predominates along with sillimanite(?) that are vareously oriented
329				within foliation.
330				
331	104	Schist	N40E, 69NW	Brown stained schist with sillimanite on surface. Clean black
332			N32E, 62NW	(biotite) and white (quartz and feldspar(?)) inside weathering rind.
333 334			N34E, 81NW	
335	105	Schist	N34E, 64NW	Well foliated schist; biotite, feldspar, quartz, and sillimanite
336			- · · · · · · · · · · · · · · · · · · ·	present. Schist is almost a gneiss; seperation of constituent
337				minerals is significant in places.
338	106	G 1: 4		
339 340	106	Schist		Coarse grained schist.
341	107	Schist		Granular schist; lots of sharp fractures which have weathered to
342		Pegmatite		rounded edges. Small pegmatite dike about 1.5" thick, traceable for
343				approximately 9'.
344	100	C -1-:-4		Description of the second seco
345 346	108	Schist		Brown grungy weathering color; schist is highly micaceous; muscovite and biotite.
347				indscovite and ofother.
348	109	Schist		Biotite, K-feldspar(?), and quartz
349	110	G 11.	NAOE CANDA	
350	110	Schist	N39E, 64NW	Gniessic schist, weathed to a grungy brown; biotite, K-feldspar,
351 352				quartz layers clearly present
353	111	Schist	N28E, 77NW	Grungy brown weathering color
354			N28E, 76NW	
355		9.11		
356 357	112	Schist		Pin-striped granular schist; Qtz, feldspar, biotite
358	113	Schist		Sillimanite, cummingtonite(?), muscovite and some biotite
359		Semot		Similarite, Cultillingtonic(.), indocortic and some ofotic
360	114	Schist		
361	115	G 11.	NAOE OAGE	
362 363	115	Schist	N19E, 84SE	
364	 116	Schist	N11E, 68SE	Schist has lots of muscovite, biotite, and quartz. Grungy
365		Pegmatite	N38E, 51SE	brown color to most of the outcrop. No definite pin-striping evident
366		Granite	•	evident. Appears as if the schist has undergone granitization or
367				anatexis(?) in regions. Schlieren and raft structures occur in
368				western most part of outcrop. Glacial striations:
369 370				
371				
372				

	A	В	C	D
1	Station Number	Lithologies	Foliation Orientations	Notes
373				
374				
375				Pegmatite dike (are several) .16m thick with a rough orientation of
376 377				N58E, 63SE
378				Large granite dike (cuts through the middle of contact(?)) traceable for about 17'
379				with a rough orientation of
380				N42E, 80SE
381				14421, 0001
382	117	Schist 60%	N31E, 89SE	Grungy brown weathering color; pin-striping present. Clean
383		Granite 35%	N29E, 78SE	quartz-biotite layers inbetween high muscovite layers
384		Pegmatite 5%	N28E, 78SE	Schist is hydrothermally altered in places.
385				Schist is very well foliated.
386				Glacial striations:
387				
388				
389 390				
391				
392				
393	118	Schist 90%	N28E, 88NW	Very well pin-striped schist; grungy brown weathering color
394		Granite 10%	N28E, 88NW	with muscovite
395		Pegmatites less	N28E, 88NW	Very high biotite quartz content; no feldspar apparent
396		than 1%	,	Lots of "S" verging folds present, "Z" folds present but "s" folds
397				predominate and occur on a variety of scales
398				
399	119	Schist 90%		Schist is fairly granular; migmatite structures present
400		Granite 10%		Pegmatite dike .15m thick trending N38E, dipping to the SE,
401		Pegmatites less		traceable for 25'
402		than 1%		Pegmatite dike .32m thick, trending N40E, uncertain dip, ends
404				diffusely
405	120	Granite		Purple colored schist with convoluted folds; lacks distinct
406	120	Schist		pin-striping. Large granite dike which sends off fingers into
407				foliation, trends N23W, dips steeply to the SW
408				
	121	Schist		Purple colored schist with convoluted folds; lacks distinct
410				pin-striping
411	122	0.11	NCOE OC	
412	122	Schist	N69E, 90	Purple-blue schist
413			N59E, 90	Glacial striations:
414				
416				Rock may appear purple due to the amount of garnet in the rock as
417				well as iron staining coming from weathering biotite
418				
419	123	Schist		purple schist
420				
421	124	Schist		Outcrop has 2 cement pilings placed on it. Purple schist.
422		Pegmatite??		Migmatite or pegmatite interfingering with schist, big crystals
423				of feldspar, biotite, and sillimanite; occurs on SE end of outcrop
424				especially. Sillimanite seems to be in schist.
425				

	A	В	C	D
1	Station Number	Lithologies	Foliation Orientations	Notes
426 427 428 429	125	Schist Pegmatite	N25E, 83SE	Large tourmaline(?) crystals along with .75" muscovite flakes. Large sillimanite crystals, also lots of biotite; Poor foliation development.
430 431 432 433	126	Schist Pegmatite?	N26W, 88NE N22W, 88SW	Grungy looking rock, lacking pin-stiping, with pegmatite pod(?) layer(?) on bottom surface. Contains large books of muscovite, sillimanite, cummingtonite(?), biotite and large crystals of quartz
434	127	Schist		Similar to outcrop 126
436 437	128	Schist	N26E, 83SE	Smooth, granular pin-striped schist
438 439 440	129	Schist Granite	N28E, 83SE	Schist is granular and pin-striped
441 442 443 444	130	Granite Pegmatite Schist		Granite dike has a rough orientation of N14E, 42SE
445	131	Schist	N49W, 89SW	
	132	Schist Granite	N32E, 76SE	
	133	Schist Pegmatite		Hexagonal tourmaline crystals weathering out of rock Grungy brown color to the whole outcrop, thin black veins present
	134	Schist 100%		Schist looks like a sandstone on weathered surfaces; thin .25" (est) thick black veins or dikes cutting across(?) outcrop or forming near the surface; they look like manganese stains or veins.
458 459	135	Schist		
460 461	136	Schist		Poorly foliated schist
462 463	137	Schist 100%		
464	138	Schist		Schist with large blue-quartz zone
466 467 468	139	Pegmatite Schist		
469 470	140	Schist 100%		
471 472	141	Schist		
473 474	142	the contact with a granite	intrusion inbetween the two	ation 117 and 142, which is the SE and NW ends of o, the decision was made primarily by the reddened
475 476 477 478		muscovite as well as a fin	ing of foliation in the NW o	z biotite thick cocotiles in SE end, and an increase in end; rock on NW end is still what you could call nents has occurred less and bands are not as wide.

	A	В	С	D
1	Station Number	Lithologies	Foliation Orientations	Notes
479	143	Schist	N41E, 78SE	Highly convoluted and ptygmatic folds developed in schist; folds
480			N40E, 84SE	are developed on a whole range of amplitudes and wavelengths.
481 482			N38E, 8SE	Lots of biotite present here; pin-striping has not developed across
483				the outcrop, instead foliation is massive and foliation is either thrown into whisps or highly contorted folds.
484				unown into winsps of nightly contolled folds.
485	144	Schist	N45E, 88NW	Pin-striped schist with iron staining; sillimanite, present in large
486			,	crystals, and books of muscovite up to 2" long and 1" wide
487				
488	145	Schist	N38W, 84SW	Blocky layered schist.
489			N39W, 86SW	
490 491	146	Schist		
492	140	Semst		
493	147	Schist	N34E, 81NW	Highly convoluted folds to pin-striped schist; bluish-tan color
494				which grades into rusty red. Grainy sections with mica books in
495				them.
496	1.40	0.1:4		
497 498	148 	Schist		Red-rusty to bluish tan weathering colors; lots of sillimanite and muscovite.
499				and muscovite.
500	149	Schist		Down in gorge can often look alot like Lower Rangeley.
501				Convoluted folds often pass off into whisps, reddish-purple
502				weathering color.
503		0.11		
504 505	150	Schist		Purple -red weathered schist
506	151	Schist	N57E, 80SE	Massive hornblende rich layers which break in sharp angles
507		Amphibolite?		Large pegmatite dike 1.07m thick, with an orientation of N22W,
508		Basalt		12NE: Quartz muscovite rich
509		Pegmatite		Large Mafic dike with plagioclase phenocrysts; 3.57m thick,
510 511				oriented N42E, 89SE
511	152	Schist?		Quartzite layers present, breaks in very sharp angular blocks
513	132	bemst.		and is coated with iron staining; occurrs in rock-slide-chute
514				20 yards east of diabase(?) dike (mylonite??)
515				-
516	153	Amphibole rich		
517 518		schist? or amphibolite?		
518		Pegmatite		
520	154	Schist	N5E, 90	
521			· 	
522	155	Schist(amphibolite)		Hornblende, biotite rich
523	150	G 11.		
524 525	156	Schist		Highly granular quartz rich schist
525 526	157	Pegmatite 40%		Tectonized granite(?) or granular schist?
527	157	Granite(?) 60%		Looks more like granite but muscovite is not evident.
528				6
529	158	Schist		Biotite-quartz schist, grainy like salt or sugar, almost
530				homogeneous.
531				

	A	В	С	D
1	Station Number	Lithologies	Foliation Orientations	Notes
532 533	159	Schist		Red stained schist with convoluted to whispy foliation What I feel is typical Upper Rangely
534				what I feel is typical Opper Rangery
535	160	Schist		Foliation thrown into chevron folds in some
536		Pegmatite		places; pegmatite dikes and pods penetrating schist.
537		-		Pegmatite dike: .54m thick, orientation of N44E, gently dipping to
538				the south
539	1.61	0.1.1.4		
540 541	161 	Schist Pegmatite		Coarse grained high muscovite content rock; may be pegmatite interfingering with schist, the relationship was complex and
542		regmanic		uncertain. The schist appears to be inter-layered
543				with the pegmatite. Red stain over the outcrop.
544				
545	162	Schist		High quartz feldspar component, does not weather out
546				rustily.Lower Rangely?
547	162	Dogmatita		
548 549	103	Pegmatite Schist		Large pegmatite dike, Upper Rangely??
550		Semst		Large peginatite dike, Opper Kangery:
551	164	Schist		Rusty red weathering color; some samples have blue tan color
552				inside weathering rind.
553		~		
554	165	Schist		
555 556	166	Schist		Rock outcrops are nearly continuous between 161 and 166.
557	100	Schist		Schist is well covered with red stain.
558				Somet is well to vered with red stain.
559	167	Schist		Grainy, biotite quartz schist; Lower Rangely?
560				
561 562	168	Schist		Lower Rangely?
563	169	Schist 100%	N12E, 81SE	Rock has a rusty red color to it, and contains several calc-silicate
564	10)	Schist 100/0	N12E, 615E	pods in it. Has well defined biotite quartz separation and foliation
565				of Lower Rangely; Upper Rangely?
566				
567	170	Schist		Red iron staining covers outcrop.
568	171	C -1.:-4		
569 570	1 / 1 	Schist		
571	172	Schist		
572	- · -			
573	173	Schist		
574				
575	174	Schist		
576 577	175	Schist		
578	1113	SCHIST		
579	176	Schist		
580				
581	177	Schist	N9W, 73NE	
582			N3W, 88W	
583		C -1.:-4	NOOE OCCE	
584	11/8	Schist	N23E, 86SE	

	A	В	С	D
1	Station Number	Lithologies	Foliation Orientations	Notes
585 586 587	179	Schist		Coarse grained foliation lots of quartz.
588 589	180	Schist		Has weathered to a dark brown
590 591	181	Schist		Has weathered to a dark brown
592 593	182	Schist		Puple-brown weathering color
594 595	183	Schist		
596 597	184	Schist		
598 599	185	Deleted station		
600	186	Schist		Schist with high
602	*****	*****	LO 11-3-94	*****
603 604 605	187		N34E,58SE	Lower Rangely (??) Samples 187.1, 187.2 taken. Red-gray stained outcrop high biotite, feldspar, quartz, muscovite (?) content.
606 607	188			Very similar rock to 187, lots of biotite thinly foliated with quartz and feldspar which is often stained red.
608 609 610	189		N32E, 73SE	Lots of sillimanite exposed on surface, well developed foliation, pin-striped, with a red-gray weathering color. Lower Rangely (?) Sample 189 taken.
611 612 613 614	190	Schist		Pin-striped schist with pegmatite (?)-sample 190, high muscovite content to schist. Weathering color varies from a tan to a gray to a purple-red.
615 616 617	191	Schist	N30E,58SE N30E,73SE	Purple-red weathering color contains layers of granular tan-brown layers within unit (Sample 191) with sugary-grainy texture.
618 619 620	192	Schist		Finely pin-striped schist weathers a gray color, and into rounded massive looking knobs.
621 622 623	193	Schist		Grungy brown looking schist. Sample 193 collected (only possibly out of place).
624 625 626	194	Schist		Tan-blue weathered schist. Schist contains lots of muscovite-sillimanite-quartz. (Slight possibility of being out of place).
627 628 629	195			Lower Rangely (?) layers of biotitie-quartz and feldspar muscovite (?). Produces little weathering color and weathering rind.
630 631 632	196	Schist	N27E,77NW	A steep slope of heavily covered schist, weathers a purple-red color. Sample 196 (good control)
633 634 635 636	197		N26E,82SE	Sample 197 taken, lots of sillimanite, somewhat of a splotchy texture to rock. Foliation is poorly defined. Size: 4m x 1.7m. Aperature: .35mm. Fracture disappears into soil and rock (not traceable).
637	198	Schist		Schist, weathered to a gray color; biotite, feldspar, quartz.

	A	В	C	D
	Station Number	Lithologies	Foliation Orientations	Notes
638				
639	100	0.11		W II ' . ' 1 1' 1 II 1P 1
640	199	Schist		Well pin-striped schist weather to a dull reddish-gray.
641 642				
643	200		N21E,85SE	Outcrop occurs between station 129 and 128. Best I can put the contact
644	200		11212,0352	in is in between 130 and 131, but the decision is very arbitrary, I also
645				cannot determine for sure whether all of the ridge in between Paradise Brook
646				and the brook that runs by the Forest Service station is Lower Rangely,
647				zones of the ridge look like Upper Rangely, the distinction is vague on the
648	201	Schist 100%		ridge. Lower Rangely (?) outcrop occurs as a couple of small benches with
649				faces about 5' high. Sample 201 collected. Rock weathers to a purple with
650				a few white specks. No significant rusty weathering or pin-striping.
651 652				Outcrop is questionable.
653	202	Schist	N49E,72NW	Rock weathers to a blue-purple-black color. Schist: biotite and muscovite (?)
654	202	Somot	1(1)2,721(1)	sillimanite (??). Does not have a rusty weathering coat to it. Sample 202
655				collected. Lower Rangely? Could be out of placebut occurs as several
656				large (15' est.) high faces in steep slope.
657				
658	203	Schist		Purple-blue-gray schist.
659 660				
661	204	Schist		Purple-blue-gray schist.
662	204	Semst		Turple ofte gray series.
663				
664	205	Schist 100%		Schist (biotite, feldspar, quartz) (100%) blue-gray weathering color, poorly
665				developed foliation, no red rusty color. Lower Rangely
666	206	0.11	NA2E 02GE	We do not be a local to the second of the se
667 668	206	Schist	N43E,82SE	Weathers to a blue-gray color. No weathering stain present. Schist is
669				composed of almost equal parts biotite and muscovite, minor feldspar and
670				quartz. Well foliated. Sample taken.
671	207	Schist	N1E,64E (poor control)	Same description for schist as 206. Fracture face: N68W,68SW, covered,
672			N4E,61E (poor control)	so can't trace where fracture goes. Size: 32m x 2.4m. No roughness
673			•	recorded because face has been weathered so much that more resistant
674				crystals stand out in ridges (especially sillimanite?) flush with face with
675				deep grooves where easily weathered minerals used to be.
676 677	200	Calciat		Questionable outcrop well pin-striped schist blue-gray weathering color.
678	208	Schist		
679	209	Schist	N30E,90	Samples 209 taken (2 of them). Schist (sillimanite, biotite, quartz,
680		·- · · 	·	feldspar (?)) varies to a tan-blue rock to a grungy red. Weathers gray over
681				most of outcrop, hints at red but no dominant rusty weathering cover, and
682				white speckled in places. Lower Rangely (?)
683	210	C 1		
684 685	210	Schist		Slight rusty red iron. Upper or lower Rangely schist.
686				Staining, whispy appearance to foliation but dominated by gray weathering color.
687				COIOI.
688	211	Schist 98%	N37E,86SE	Large outcrop in Hubbard Brook. Outcrop is a pin-striped schist, pin-
689		Granite >1%	N30E,85SE	stripes are well developed but the majority of the rock is matrix (non-striped).

	A	В	C	D
1	Station Number	<u>Lithologies</u>	Foliation Orientations	Notes
690 691 692		Pegmatite >1%	N46E,90	The schist weathers to a purple rust color. A few stringers of pegmatite, and a possible finger of
693 694 695 696 697	212		N46E,76SE N30E,80SE N31E,86SE N35E,84SE	Outcrop of Upper Rangely on northern bank of Hubbard Brook, rusty-purple weathering color to rock. High quartz-biotite content, Sample 212 collected, mislabled as 213?? Bluish-tan color developed in places.
698 699 700 701	213		N29E,68NW	Upper Rangely outcrop in the middle of Hubbard Brook. Whispy texture developed in foliation, little iron staining present, more a blue-tan color.
702 703 704	214	Schist	N30E,82SE N21E,86SE	On north bank of Hubbard Brook. Gray-red weathered schist. Upper Rangely. Lots of Garnet. Biotite-quartz-feldspar schist.
705 706 707	215		N6E,86NW	Questionable outcrop. Upper Rangely. Little rusty staining, no apparent pin-striping. Sample 215 taken.
707 708 709 710 711	216		N27E,90 N31E,74NW	In middle of Hubbard Brook. Red rusty-purple stained. Upper Rangely. Foliation orientation appears to be variable but measured N27E,90; N31E,74NW.
711 712 713	217		N39E,90	Questionable outcrop. Red rusty-purple stained. Upper Rangely.
714 715	218			Questionable outcrop of Upper Rangely.
716 717 718 719	219		N27E,86SE N30E,84 SE	Big outcrop as a cliff face shich juts slightly out into Hubbard Brook. Sample 219 taken. Fracture faceOrientation: N66W,65SW, Aperature: .13mm, Size: 1m (wide) x 2.7m. Disappears into rock, but ends blind at the top.
720 721 722 723 724	220		N47E,82SE N51E,87SE N49E,83SE	Outcrop of Upper Rangely at confluence of Falls and Hubbard Brooks. Weathering color is a light tan, to a purple, to rusty red spots, large garnet coticules present, no pin-striping is evident. Sample 220 taken. Although foliation does appear to locally bend north on east end.
725 726	221		N73E,75SE	Rusty red to purple. Upper Rangely. Lots of biotite, sillimanite present. A very little quartz and feldspar (??) Questionably in place.
727 728 729 730 731	222	Pegmatite	N20E,90	Questionably in place. Rusty red upper Rangely with blue crystals weathering out. Sample 222.1. Pegmatite present (small % of outcrop). Sample 222.2.
732 733 734 735 736 737 738 739 740 741	223	Schist Quartz	N30E,88SE N25E,79SE	First outcrop coming up Cascade Brook, forms a pool below a waterfall. Outcrop has a rusty red stain in places most of the outcrop is a quartz-rich massive rock with a little feldspar (?) present and a very little muscovite. In more micaceous zones the rust staining is well developed where the quartz rich zones are, the weathering effects are not visible and it looks like a quartzite or granite on the surface, the micaceous schist interfingers with the quartz rich zone gradationalllly or in no distinct manner. The quartz ricl zones may be quartzite (the rock is a meta-psammite) or highly tectonized zones of granite (Concord Granite?) No large feldspar phenocrysts are seen. One large white feldspar phenocryst found in quartz rich zone in the middle of Cascade Brook. Foliation orientations (poorly constrained).

	A	В	С	D
	Station Number	Lithologies	Foliation Orientations	Notes
743 744	224	Micaceous Schist	N20E,90	Little box canyon in Cascade Brook, more quartz rich meta psammites,
745	224	Pegmatite Pegmatite	N10E,90	mylonitized pegmatites (?) and micaceous schist layers. (High biotite content
746		8	N2E,87SE	to the micaceous schist). Samples 224, 224, 224.3 (mylonitized Kinsman)
747				taken.
748 749	225	Schist	N14E,subvertical	Next station up Cascade Brook, beautifully pin-striped schist, quartz layers,
750	223	Granite	1V14E,Subvertical	and quartzite (?) with garnets. Sample 225.1 - Kinsman, 225.2 - Kinsman,
751		Quartzite		225.3 - pinstriped schist, 225.4 - quartzite (?) with garnets. Possibly
752				paleo-bedding present.
753				Foliation orientation (rough). Orientation: (very roughly) N62W,26NE.
754 755	226	Schist		More schist little rusty red iron staining, looks a lot like what we had been
756	220	Semst		calling Lower Rangely. (Outcrop occurs at the top of Cascades).
757				Sample 226 taken.
758				
759 760	227			More meta-Kinsman. Sample 227 taken.
761	228	Schist		Schist is all micaceous. No quartz rich sections present. Fair to little rusty
762				red iron staining. Upper or Lower Rangely (??). Foliation orientations are
763 764				difficult to obtain because rock is worn smooth.
765	229	Schist	N42E,75SE	Micaceous, high biotite content schist. Foliation orientation: (fair control).
766			·	
767 768	230	Schist	N78E,73SE	Sample aken. Schist. Also schist with lots of sillimanite present.
769	231	Schist		Kinsman (?) interlayered with schist, possibly occurs as a sill. Sample 231
770				taken.
771	222	***		
772 773	232	Kinsman		More Kinsman (?) occuring as a little step in Cascade Brook. Sample taken.
774	233	Schist		(Outcrop located where Cascade Brook flattens out a bit). Gray-blue to black
775				schist. Sample 233 taken. Very weathered glacial striations (?) S68E, S64E.
776 777	224	Schist		Micaceous, biotite dominated schist with a good deal of garnet.
778	234	SCHIST		Micaceous, biotite dominated scriist with a good dear of garnet.
779	235		N36E,56SE	Outcrop is questionable. Sample 235 taken.
780	225	G 11 . 000/		
781 782	236	Schist 90% Pegmatite-Kinsman 10%		Outcrop which forms large waterfall Most of the outcrop is schist but fingers of pegmatite (?) or Kinsman (?) are showing. Smaples 236.1, 236.2,
783		1 Cgillatite-Killsillali 10%		236.3 taken. Contains large quartz, Muscovite, Feldspar and tourmaline
784				crystals.
785				
786	237	Schist	N66E,79NW	Finely foliated schist.
787 788	238	Schist	N59E,81SE	Fine grained, quartz-biotite schist with a gneissic texture. Sample 238 taken.
789	230	Semst		The granica, quartz-blottic semst with a guessic texture. Sample 236 taken.
790	239	Pegmatite		Majority of outcrop is pegmatite (?)/Kinsman (?). Sample 239 taken.
791		Kinsman		
792 793	240	Schist		More negmetite/Kingman hounded by schiet Dath 220 and 240 may have
793	24 U	Petmatite		More pegmatite/Kinsman bounded by schist. Both 239 and 240 may have been intruded as a couple of sub-horizontal sills (?). With orientation (very
174		1 Cullatite		occir intraded as a couple of sub-normalitation (1). With orientation (very

	A	В	C	D
1	Station Number	Lithologies	Foliation Orientations	Notes
795		Kinsman		Loosely): (sub-horizontal) N79W,10NE (?) and don't appear to be very thick.
796				
797	2.41	G 11.	NEOF P	W' G I D I W I I I I I G I I I G I I G I G I G I
798	241	Schist	N53E,no dip control	Wier on Cascade Brook. Nicely exposed schist. Glacial Striations: S38E,
799 800				S43E, S36E, S42 E, S42E. A bit calc-silicate boudin exposed in Brook.
801				More glacial striations (on eastern side of Brook): S45E, S47E, and down just a ways, S43E, S41E. Foliation orientations: N55E, N54E, steeply
802				dipping. Outcrop is entirely schist, looks a lot like Lower Rangely (??) only
803				small pods of pegmatite present.
804				pous or pognium prosenti
805	242	Schist		Finger of Kinsman against schist (?), tectonized granite with garnets (?) or
806		Kinsman		gneissic schist (?). Samples 242.1, 242.2.
807		Granite		
808				
809	243	Schist	N62E,86SE	Black schist with pin-stripes of white quartz. Sample 243 schist (??).
810				Pegmatite dike .19m thick N50W, dipping to the SW.
811 812	244			(First waterfall up from wier). Sample 244 taken. Either pegmatite or
813	2 44			Kinsman present.
814				Kinshun present.
815	245	Schist		Granular black and whte schist, red weathering stain.
816				β
817	246	Schist		Lots of sillimanite in schist.
818				
819	247	Kinsman		Kinsman intrusive (back side of little knob with pines) only a little bit
820				questionably in place (?).
821 822	248	Schist		
823	240	Schist		
824	249	Schist		(Occurs as a face, large, by a series of benches) (Orientation of face-N78E).
825				Weathers a light unrusted orangish brown.
826				
	250	Schist	N47W,71NE	Possibly out of place.
828	251	G 11		
829	251	Schist		Schist possibly out of place uncertain of exact location.
830 831	252	Schist	N65W,75SW	Questionable outcrop. Outcrop of schist, with quartz-rich layers? Samples
832	<i>LJL</i>	SCHIST	1 NOJ W , / J D W	252.1, 252.2 taken. Also areas of black white schist (biotite/quartz layers.)
833				252.1, 252.2 taken. Also areas of black white sellist (blottle/quartz layers.)
834	253	Kinsman		Station above wier. Outcrop occurs in Canyon Brook and weathers a deep
835				rusty-red. Samples 253.1 (Kinsman), 253.2 (Kinsman), 253.3 (Kinsman),
836				253.4 (Kinsman) taken. Tectonized Kinsman (has a definite fabric).
837				
838	254	Kinsman		Station above wier 12 at east branch of Zig Zag brook. Kinsman diorite (?).
839				Samples 254.1, 254.2, 254.3 taken.
840 841	255	Vinaman		Large rounded knob off read coming out of wier 12. Questionable sectors
841	233	Kinsman		Large rounded knob off road coming out of wier 12. Questionable outcrop. Samples 255.1, 255.2 taken. Strongly tectonized Kinsman (?). Black/whte
843				rock lots of quartz & biotite. Large phenocrysts of Kinsman are seen in
844				outcrop on end close to the road.
845				
846	256	Kinsman		Outcrop in road-cut, Kinsman, questionably in place. Sample 256 taken.
847				Lots of biotite in a fabric orientation.

Station Number Lithologies Foliation Orientations Notes	
Secondaria Sec	
S52 258 Kinsman Little bench in Canyon Brook. Kinsman (?). Samples 258.1, 258. Fracture face dripping with water, so did not attempt to record.	ad by
S55 S56 S56 S56 S56 S56 S56 S56 S56 S56 S57 S58 S58 S59 S68 S59 S68 S69 S60 S60	2 taken.
859 260 Schist N60E,81SE Rubble and sheared rock occurs in fault zone. Sample 260.4 comes very close to the fault zone. 260.2, 260.3 altered Kinsman (?) or R Rusty water is weathering out of fault zone. Area appears to be sell Upper Rangely. Slickensides(?) orientation: N25E,60SE, with a rake of 50NE. Fault zone orientat N35E (roughly). Apparent width: 8.6m. Outcrop occurs where Ca Brook cuts a canyon into bedrock. 866 867 261 Kinsman 261 Kinsman Outcrop is very questionably in place. Kinsman intrusive. 868 869 262 Schist N46E,59SE Foliation orientiation N37W,79NE might not be foliation but fractions N37W, 79NE N12E,86NW 871 872 873 263 Schist 100% Outcrop occurs at tall waterfall in Canyon Brook (may be 12'). Fa moullions rake NE74 on a fault place (or at least fracture plane) of	
S67 261 Kinsman Outcrop is very questionably in place. Kinsman intrusive. S68 262 Schist N46E,59SE Foliation orientiation N37W,79NE might not be foliation but fraction N37W, 79NE N37W, 79NE N12E,86NW S72 Schist 100% Outcrop occurs at tall waterfall in Canyon Brook (may be 12'). Fa moullions rake NE74 on a fault place (or at least fracture plane) of	Rangely (?). hist- ake of tion:
869 870262SchistN46E,59SE N37W, 79NE N12E,86NWFoliation orientiation N37W,79NE might not be foliation but fraction N37W,79NE might not be foliation N37W,79NE might not be foliation N37W,79NE might not be foliation N37W,79NE might not	
873 Schist 100% Outcrop occurs at tall waterfall in Canyon Brook (may be 12'). Fa moullions rake NE74 on a fault place (or at least fracture plane) of	ures.
876	
877 264 Schist Schist, could be tectonized Kinsman. Sample 263 (mislabled).	
879 265 Schist Schist Schist with lots of big sillimanite crystals and grungy looking schist 265.1, 265.2. Rock still look rubbledized to a degree.	st. Sample
882 266 Schist Very fine, hard granular schist where Canyon Brook makes a long bedrock. Samples 266.1 and 266.2 taken. Foliation orientation is determine, rock is well fractured.	
886 267 Schist	
887 888 268 Highly tectonized Kinsman or schist (?). Sample 268 taken.	
889 890 269 Schist Similar looking. Schist. Little iron staining, but still possibly more than usual.	fractured
893 270 Schist	
895 271 Kinsman Outcrop of Kinsman in Canyon, weathers to a rusty red weathering Sample 271.1 taken 271.2.	g color.
898 272 Kinsman(?) Kinsman (?) highly tectonized (?). Outcrop is questonable. Sample 272.2.	les 272.1;

	A	В	C	D
	Station Number	Lithologies	Foliation Orientations	Notes
901	273	Kinsman		Kinsman, weathers a light layer of rusty red. Sample 273
902 903 904 905	274	Kinsman		Outcrop of Kinsman, occuring at waterfull in Canyon Brook. Sample 247.1, 274.2 (Quartz dike). Roughly N20E,45Se with a thickness of .22m. Fracture face (1) N68E,47NW. 0.35x.35 face (triangular shped) abuts fractures (2)
906 907 908 909 910				and (3). Fracture (2) traceable for 2.27m ends blind on northern end after making a curve to the west. 0 .28mm – aperature. Fracture (3) N28W,67SW traceable for about 2.7m whereupon it disappears into soil. 0.50 mm aperature.
911 912 913	275	Kinsman		Kinsman, grading very interestingly into a more tectonized form. Samples 275.1, 275.2, 275.3
914 915	276	Kinsman		Sample 276
916 917	277	Kinsman		Kinsman outcrop in W. fork of Brook.
918 919	278	Kinsman		Kinsman where Brook almost touches trail. Samples 278.1 and 278.2
920 921 922 923	279	Kinsman		Are the zones in Cascade Brook, which I had been calling metapsammites (light tan with little red garnets) really fingers of Kinsman? Sample 279.1 grades directly into samples. definitely Kinsman 279.2 and 279.3. Outcrop occurs in brook 10' away from trail.
924 925 926	280	Schist		Very questionable outcrop. Schist. Small samples 280.1 and 280.2
927 928 929 930	281	Schist Pegmatite (?)	N29E,56SE N16E,69SE N6W, 66SE	Good outcrop of schist, occurs where brook has bent south of trail and creates a little waterfall in Brook. Sample 281.2 taken granular sachist (?) or pegmatite (?) occuring on northern edge of outcrop
931 932	282	Kinsman		5' – 10' up stream from 281. Kinsman intrusive. Sample 282 collected.
933 934 935	283	Kinsman		Kinsman Intrusive. Sample 283 collected. Outrcrop occurs as a fall in the brook (steep drop not a waterfall) –badly tectonized in mid-part.
936 937 938 939	284	Kinsman (??)		Very questionalbe outcrop occurs at the top of steep drop in Brook. Samples 284.1, 284.2 and 284.3 tectonized Kinsman (??) or Rangely *****qtz boudins.
940 941 942	285	Kinsman		Outcrop occurs as pour over of little brook over pavement (very small area). Questionable outcrop. Sample 285 collected. Kinsman Intrusive.
943 944 945 946	286	Schist	N41W,79NE N40W,83NE N34W,59SW	Where west fork of the Canyon Brook meets rain-gauge road. Samples 286.1, 286.2, 286.3, and 286.4
947 948 949	287	Schist		Outcrop slightly questioanlbe. Sample 287 collected. Outcrop occurs just south of road, as a bench. Large sillimanite crystals present.
950 951 952	288	Schist		Pavement at rainguage 20 (just to the E, in the clearing) Glacial striations: S39E, S39E, S40E, S38E, S41E. 2 samples of 288.
953	289	Schist (?)		Outcrop of schist in middle road. Glacial striations: S46E, S45E, S46E,

	A	В	С	D
1	Station Number	Lithologies	Foliation Orientations	Notes
954				S45E, S41E, and S48E
955	200	***		
956	[290	Kinsman		Altered? Kinsman Intrusive occurs in first small elevation drop, in the
957 958				middle of the East Fork of Zig-Zag Brook, has a golden color to it, high
959				muscovite (?) content, well fractured (?) Sample 290 collected.
960	291	Kinsman		Outcrop occurs as a waterfall in brook. Kinsman. Sample 291 taken but
961	271			also, more golden color examples also here (as in 290). Large 15 yrds x
962				2 1/2' high(est). Uncertain as to how fracture ends. Fracture face
963				N42E,87NW
964				
965	292	Schist	N11E,52SE	Schist outcrop on road for rain-guages, occurs as road cut, and outcrop is
966				questionable. Sample 292.
967	202	D 1 C 1' 4	NOTE I' I	
968 969	293	Rangely Schist	N35E, no dip control	Outcrop at rain gauge #15, occurs as pavement, Schist, glacially scarred.
909			(Good control on strike).	Glacial striations: S44E, S53E, S42E and S44E
971	294	Schist	N46E,74SE	Outcrop of schist, glacially smoothed. Big sillimanite crystals weathering out
972	[2]	Semse	11102,7182	(1/4" - 1/2" est.)
973				
974	295	Schist		Outcrop of schist in road and along road cut. Glacial striations: S36E, S36E,
975				S37E, S31E, S37E, S34E and S37E. Makes a nice fracture pattern.
976				(1) N44W,72SW. Aperature – whatever blade is between .4mm and
977				.33 mm on the feeler guage (3 rubbed off)
978 979				(2) NAW steeply dinning but no control 0.22mm energing
980				(2) N4W, steeply dipping but no control. 0.33mm aperature.(3) N4W,76E . 2.55m traceable (abuts (1), dissappears into soil).
981				(3) 144 W, 70E : 2.35 iii traceable (abuts (1), dissappears into soir).
982	296	Schist (?)		Very questionable outcrop. Samples 296.1, 296.2, 296.3 schist (?), and
983		Kinsman		296.4 Kinsman. Rangely schist interfingered with Kinsman intrusive??
984				Outcrop occurs near road (?)/blue trail to rain guage #16.
985				
986	297	Schist		Outcrop in road going to #16. Outcrop is questonable. Sample 297
987	200	17' (0)		
988	298	Kinsman (?)		Outcrop occurs as surface in the road. Very questionalbe outcrop.
989 990	200	Kinsman (?)		Very questionable outcrop in middle of road. Too smooth a surface to sample
991	2))	ixilisiliali (+)		very questionable outerop in initiality of road. Too sinooth a surface to sample
992	300	Schist		Questionable outcrop. Schist, with quartz boudins (?) Sample 300. On steep
993		Quartz Boudins (?)		slope west of blue trail.
994				•
995	301	Schist	N63E,65SE	Little fall by end of road (Zig-Zag Brook). Samples 301.1 and 301.2.
996			N60E,62SE	
997	202	17. (00)		
998	302	Kinsman(??)		Little rock outcrop where banks of brook get steep (on E side of brook).
999 1000				Sample 302 tectonized Kinsman (??). Outcrop is questionable.
1000		Schist		Opposite side of Brook as 302. Appears as a vetical face of rock maybe 10'
1001		Pegmatite		high. Samples 303.1 and 303.2. Little pegmatite dike intruding schist.
1003		Dimino		mg Samples 50517 and 505121 Zitae peginatic dire induding sellist.
1004		Schist		Outcrop at water fall and cliff on eastern side. Beautifully pin-striped schist.
1005				Samples 304.1 and 304.2. Locally convoluted folds and ptygmatic folding
1006				on a small scale. Foliation appears to be sub-horizontal but no good reading

	A	В	C	D
1	Station Number	Lithologies	Foliation Orientations	Notes
1007				obtained.
1008 1009 1010 1011 1012 1013		Schist	N49W,90 N4W,86E N42W,90 (good control)	Outcrop occurs as a face at bottom end of a steep (small) pine covered ridge where Zig Zag Brook has cut into ridge. Schist, lots of feldspar/qtz/biotitie/muscovite which is well separated and well foliated, weathers a grungy brown and rusty-red weathering is common but not prevalent. Sample 305 collected. 305.1 grungy brown example which is common.
1014 1015 1016 1017	306	Kinsman (??) or Gniessic Schist (??)		Tectonized Kinsman (??) or Gniessic Schist (??). Did not get recorded on map. Samples 306.1 and 306.2. Outcrop is questionable.
1017 1018 1019 1020 1021	307	Schist	N21W,85NE N27W,82SW	Outcrop occurs at confluence of eastern limb of Zig-Zag Brook and a pretty good sized little brook coming in from the east, travelling west, outcrop is in place and is schist. Sample 307
1022 1023	308	Schist		Granular schist. Samples 208.1 and 308.2 Outcrop occurs as a surface on west bank of Zig-Zag Brook.
1024 1025 1026	309	Schist		Schist outcrop in brook. Sample 309. Lots of very bit garnets (1/4" diameter est.). Samples 309.2 and 309.3 taken.
1027 1028 1029 1030		Schist	N11W,90 (excellent contro N12W,87NE	Outcrop occurs where brook has cut into E. bank of a little knoll, excellent exposure. Schist is exposed showing good foliation development and good separation of quartz/feldspar from micas.
1031 1032 1033 1034		Schist?		Questionable outcrop fingers of Kinsman in schist? Samples 311.1, 311.2, 311.3, and 311.4.
1035 1036		Schist	N26E,80SE	Schist, outcrop is very questionable.
1030 1037 1038 1039		Schist	N8W, 76NE	Excellent outcrop all the way up steep slope. Schist. Large garnets, high sillimanite content, grungy brown weathering color.
1039 1040 1041		Schist	N8W,76NE	(a few yards downstream). Schist, lots of garnet
1041 1042 1043	315	Schist	N16E,82SE	Schist, lots of bit garnets (3/4" in diameter est.). Foliation roughly as noted.
1044 1045 1046 1047 1048 1049	316	Kinsman		Metal stake, drove into boulder next to outcrop. Outcrop of Kinsman Intrusive occurs in Zig-Zag Brook, after 2nd small fall, but stream is dominated by boulders of Kinsman for some ways up. Sample 316. Big white feldspar crystals present. Intrusive pegmatite dikes can be seen cutting later stage Kinsman dikes?
1050	317	Kinsman		Outcrop at 3rd and largest fall, tectonized Kinsman.
1051 1052 1053 1054	318	Kinsman Feldspar		Outcrop of kinsman in Zig-Zag Brook. Large white feldspar phenocrysts. Huge whte quartz crystal in stream.
1055 1056		Kinsman		Kinsman exposed by brook cutting into bedrock.
1050 1057 1058	320	Kinsman		Kinsman in road-cut, looks pretty good but is questionable.
1059		Kinsman		Questionable/Kinsman outcrop.

	A	В	C	D
	Station Number	Lithologies	Foliation Orientations	Notes
1060 1061 1062 1063 1064		Schist Kinsman		Textbook examples of glacial striations in ditch on W side of road, best ones I've ever seen. Schist with fingers of Kinsman exposure of about 40'. Glacial striations: S45E, S47E, S41E and S43E. Contact between Kinsman and Rangely is diffuse and interfingering.
1065 1066 1067 1068		Schist		Kinsman (tectonized) (?) or Rangely (?) I'm calling it Schist. Sample 323 taken.
1008 1069 1070 1071	324	Kinsman		Tectonized Kinsman? or Rangely schist? Calling it Kinsman. Sample 324 taken. Outcrop is questionable.
1071 1072 1073	325	Schist		Kinsman or Rangely? I'm calling it schist. Sample taken.
1073 1074 1075 1076		Rangely Schist		Outcrop questionable. Kinsman or Rangely? I'm calling it Rangely Schist. Sample 326.
1076 1077 1078 1079	327	Schist (Rangely)		Rangely or Kinsman? Sample 327.
1080 1081 1082	328	Rangely Schist		Rangely or Kinsman? I'm calling it Rangely Schist with a little bit of Kinsman intruding it. Sample 328.
1083 1084 1085 1086	329	Tectonized Kinsman		Tectonized Kinsman ? or Rangely? I'm calling it Tectonized Kinsman. Sample 329.
1086 1087 1088		Kinsman Intrusive		Sample 330.
1089 1090		Kinsman (?)		Sample 331.
1090 1091 1092		Kinsman (?)		Sample 332.
1092 1093 1094	333	Kinsman		Sample 333.
1095 1096	334	Kinsman ??		Sample 334. Continuous with 333.
1097 1098	335	Kinsman ??		Sample 335. Continuous with 334.
1099 1100	336	Kinsman?		From East to West. Sample 336.1, 336.2 and 336.3.
1101 1102	337	Kinsman?		Sample 337.
1103 1104	338	Concord Granite		Sample 338.
1105 1106	339			Rubbledized zone. Continuation of fault zone? Orientation (Roughly): N49E
1100 1107 1108 1109		Kinsman ? Rangely ?		Highly drawn out Kinsman ?? or Rangely?? From E to W. Samples 340.1 and 340.2
1110 1111		Rangely?		Sample 340.3
1112	342	Rangely		Rangely in contact with Concord Granite.

	A	В	C	D
	Station Number	Lithologies	Foliation Orientations	Notes
1113 1114 1115 1116	343	Kinsman ? Rangely ?		Highly drawn out Kinsman or Rangely? Pseudotachylite (sp?) developed. Slickenside orientations: N21E, 79 SE. 85 degree raken opening to the NE. Outcrop is questionably in place. Sample 343 collected.
1117 1118 1119	344	Kinsman?		Highly tectonized Kinsman ?? Sample 344 collected.
1119 1120 1121	345	Kinsman		Tectonized Kinsman ?? Sample 345 collected.
1122 1123	346	Rangely Schist?		Sample 346.
1124 1125	347	Kinsman Intrusive		Kinsman Intrusive. Outcrop questionable (but not lithology).
1126 1127	348	Kinsman Intrusive		Inplace Kinsman Intrusive.
1128 1129	349	Kinsman		Kinsman fairly undeformed.
1130 1131 1132 1133 1134		Kinsman		Outcrop of Kinsman intrusive, good igneous texture, large (alcid?) Feldspar phenocrysts in ground mass, occurs in Hubbard Brook where brook first gets a little steep since bridge.
1135 1136 1137 1138 1139	351	Kinsman Intrusive		Big outcrop of Kinsman Intrusive creates big waterfall in brook. Major N32E,54NW. Fractures orientations: N14E,76SE; N27E, 87SE; N55E, 60SE; N21E,76NW; and N19E,65SE. Outcrop appears to be fairly homogeneous Kinsman. Constant outcrop for a hundred yards est.
1140 1141 1142 1143		Kinsman		Outcrop of Kinsman Mafid (?) dike cutting Kinsman, was hard to sample because in about a foot of water. Sample 352 taken. Orientation: N24E, 84 NW (very rough). Thickness: about a foot and 1/2 thick est.
1144 1145 1146	353	Kinsman Intrusive		Orientation of fractures: N24E; N17E; N84W (.33 mm aperature); N62E. No other measurements possible. Sample 353.
1147 1148 1149 1150 1151	354	Kinsman?		0.08 m thick dike of Kinsman intruding earlier, tectonized Kinsman?? N34E, shallow dip to the SE. Ground rock is fine grained high biotite material, but still appears to have white feldsic phenocrysts.
1152 1153 1154 1155		Kinsman		Dark tectonized Kinsman ??, pegmatite or Kinsman, large quartz area. Fractures have repricipated on mineralized ground rock, because appear as white streaks. Fractured zone N1E, 58E. Samples 355.1, 355.2, 355.3, 355.4, 355.5 (came from dark area), and 355.6.
1156 1157 1158 1159	356	Kinsman		Large outcrop surface more high biotite content, highly tectonized?, fine grained Kinsman? Samples 356.1, 356.2, and 356.3.
1160 1161 1162	357	Kinsman		More tectonized Kinsman (?) Samples 357.1, 357.2 and 357.3. Mafic (basaltic?) dike. Sample 357.4 Orientation: N52E,81NW. Thickness: 0.50m thick. Strong fracture semi-parallel to dike. Orientation: N50E,81NW.
1163 1164 1165	358	Kinsman (?)		Large surface area outcrop. More of this finegrained, high biotite content, tectonized Kinsman (?) Sample 358.1. Rock is well fractured, fractures

	A	В	C	D
	Station Number	Lithologies	Foliation Orientations	Notes
1166 1167				form ridges in rock, pressure solution? has increased resistance to fractures on rock. Within about a 2 ft distance maybe 20 some fractures cut area,
1168				generally trending: N37W (lots in this orientation). Pods of white
1169				coarse grained Kinsman can be seen intruding darker rock. Fracture:
1170				N20E,85SE, face disappears into rock where it becomes a ridge.
1171				Dike of Kinsman?: 0.03m thick traceable to many yards. N44E,l71SE
1172				Sample 358.2. So tectonized (?) in spots turns to a green glassy looking rock.
1173 1174	350	Schist or		Dike of Kinsman outcrops again: N48E.71SE. Rock still very well fractured
1175	337	Tectonized Intrusive		trending: N26W,61SW; N46W, N47W, N36W, no control. Most frequent
1176				orientation: N47W. Lithology: Schist or tectonized intrusive, I can't tell.
1177				Samples 359.1, 359.2.
1178	260			
1179 1180	360			Rock is still well fractured but not nearly as bad. Rock samples Schist or Kinsman?? Samples 360.1, 360.2, 360.3, 360.4, 360.5, 360.6, 360.7,
1181				360.8. Rock has a fabric which trends: N65E,39SE. Very large surface
1182				exposure of outcrop. There are dikes (lighter color) which cut rock: N20E,
1183				dipping to the SE. 0.18m thick.
1184				
1185 1186	361	Kinsman		Nice linear dike NS3W, maybe 0.2m thick (est.) (it's in pool). Kinsman (??)samples 361.1 and 361.2.
1187				Kinsman (??)samples 301.1 and 301.2.
1188	362	Kinsman Intrusive		Sample 362. 0.18 m; N69W. Light colored dike, pegmatite? Glacial
1189				striations: S32E, S36E, S22E, S35E and S38E.
1190				
1191 1192	363	Kinsman Intrusive		Kinsman intrusive, big white phenocrysts of plag (?) Still has mottled
1192				appearance though (when broke). Glacial striations: S55E, S37E, and S34E.
1194	364	Kinsman		Outcrop of Kinsman in brook.
1195				
1196	365	Schist??		First outcrop coming up Bagely Trail Brook. Outcrop is questionable.
1197 1198				Outcrop occurs as a couple of pur-overs in Brook. Schist (??) or tectonized intrusive looks more like schist on surface. Samples 365.1, 365.2, 365.3,
1199				365.4 taken. Fabric orientation (poorly constrained): N62E, no dip control.
1200				contraction and contraction (possily constanting), 11022, no sup-contraction
1201				
1202	366	Graphitic schist		Sample 366.
1203 1204	267	Schist		Schist, with quartz rick layers, samples 367.1, 367.2, 367.3.
1204	307	Schist		Schist, with quartz fick layers, samples 307.1, 307.2, 307.3.
1206	368	Schist	N11E,87NW	Schist with high sillimanite content. Outcrop occurs as a big surface in brook
1207			N19E, 90	Sample 368. Whispy texture to foliation. striping. Pod of Kinsman? or
1208				pegmatite?
1209 1210	360	Schist	N9E,88SE	Small nod of Kinsman? (2' in diameter) Sobjet occurs in well concreted
1210	JU7	SCHIST	N9E,885E N9E,87SE	Small pod of Kinsman? (2' in diameter) Schist occurs in well separated layers about an inch or less thick and continuous for long lengths.
1212			N8E,90	and the most of less their and continuous for long longuis.
1213			·	
1214	370	Schist	N85E	Outcrop of large surface area. Schist intruded by large fingers of Kinsman
1215		Kinsman		(the intrusive is maybe 6' x 13' est.) Kinsman 35%, PMF 65%. Shallow
1216 1217				dip to the north. And in bank of brook outcrop is mostly Kinsman, containing xenoliths of schist.
1217				containing actionuis of senist.

	A	В	С	D
	Station Number	Lithologies	Foliation Orientations	Notes
1219		Schist		Covered with a rusty red weathering coating.
1220 1221 1222	372	Schist	N55E,77SE	Schist?? purplish weather staining. Samples 372.1, 372.2, 372.3. Orientation poorly constrained.
1223 1224 1225		Schist	N37E	Sample 373, poorly foliated.
1226 1227 1228		Schist	N34E,85SE N44E,66SE N32E,85SE	All the schist (?) in this brook has a very massive quality to it. Glacial striations:S15E, S18E, S163, S26E, S23E, and S16E. Little rust staining, massive whispy texture.
1229 1230 1231 1232	375	Schist	N37E,89NW N26E,89NW	Looks grainy, well separated ******* Little brook has cut directly into bedrock.1" - 2" layers but still masive looking. Sample 375.
1232 1233 1234 1235	376	Schist	N40E,81SE N37E, no dip control	Schist little iron stained grainy, whispy quality. Glacial striations: S28E, S273, S30E, S34E, S34E, S30E.
1236 1237		Schist	N42E, steeply dipping	
1238 1239 1240				Outcrop occurs as a large cliff face maybe 13' high and extends down ridge. Clean milky white Gniessic schist or tectonized Kinsman ?? Samples: 378.1, 378.2, 378.3, 378.4, 378.5; all mislabled as 378.1. Outcrop is
1240 1241 1242				very homogeneous, no observable foliation at surface, no layering or separation of constituents. Most fractures are sub-horizontal. Fracture Face 1
1243 1244 1245 1246				abuts fractures 2 and cuts 3 but continues on as an open face (1')?. Orientation: N35E, 86 SE. Aperature: Feeler gauge size between .33 and .40mm (# worn off). Size: 4.9 x .6m. Fracture 2 continues until it can't be followed. Orientation: N35E, 31Se. Aperature: .5mm. Size: 11.7m long.
1247 1248 1249 1250 1251 1252				Fracture 3 abuts fracture 2 and splays off at NE end into other fractures. Orientation: N20W,5NE. Aperature: ****. Size 5.6 x .15m Fracture 4 splays and ends blind SW end continues. Orientation: Sub horizontal. Aperature: .96mm. Size: 6.6m long. Fracture 5 Orientation: N22W,51NE. Aperature: ****. Size: 9 1/2" (est.)
1253 1254 1255	379	Schist		Outcrop occurs as a steep wall of rock exposures for good distances. Grainy, somewhat massive schist.
1256 1257 1258 1259		Schist		This whole drainage and this ridge shows up best on color map (metric *** by Cornell). Lots of sillimanite, fair separation of constituents. Micaceous, well foliated. Sample 380.
1260 1261	381	Schist		Schist, sillimanite weathering out of rock in large crystals (1/4" - 1/2"). Quartz vein cutting schist or Boudin?
1262 1263 1264 1265	382	Pegmatite		Pegmatite pods and dikes intruding massive, little foliated schist. One of the dikes is perhaps 2 1/2' thick, subhorizontal. Sample 383 (mislabled).
1266 1267 1268 1269 1270	383			Fault? makes strong linear on topo map also. Pseudotachylite (?) developed on rock surface (the whole face is black) with poorly developed striations. Orientation questionable: N41E,80SE with a rake of 51 degrees opening to the NE. Sample labled 383.
1270	384	Schist	N24E,75SE	Outcrop in Falls Brook below road. Micaceous schist with lots of red iron

	A	В	C	D
1	Station Number	<u>Lithologies</u>	Foliation Orientations	Notes
1272 1273			N40E,81SE N39E,76SE	oxide covering weathered surfaces and not pin-striped. Somewhat grainy texture to schist.
1273			N37E,67SE	texture to scriist.
1275			11371,0751	
1276	385			No outcrops occur in Boulder Brook (called Bounder Brook because it is
1277				littered with till boulders, randomly disposed. Or the next one east.
1278 1279	386	Schist	N45E,90	Outcrop occurs at the top of the W. hill, it is a little rounded knob.
1280		Semse	N64E,89SE	Schist is grungy tan-red schist with biotite, quartz, garnets and sillimanite.
1281			N50E,90	Sample 386. PMF
1282	207		NO1E 710E	DMF G 1 207.1 1207.2
1283 1284	387		N31E,71SE	PMF Samples 387.1 and 387.2
1285	388	Quartzite		Quartzites of Perry Mountain Formation?
1286 1287	389	Pegmatite	N90E,77N	Samples 389.1 and 389.2. Pegmatite pods present. Perry Mtn.
1288		regiliatite	11,50E,7711	Samples 307.1 and 307.2. Feginatic pods present. Terry with.
1289 1290	390		N53E,87SE	Perry Mtn. Sample 390.
1290	391	Schist	N76W,68NE	Schist, foliation thrown into Chevron folds in places. Foliation orientation
1292			N48W,81NE	looks to be highly variable. Schist is pin-striped. Sample 391
1293		~		
1294 1295	392	Schist	N49E,75NW N58E,69NW	Well foliated schist (poorly developed to fair pin-striping)
1295			N56E,70NW	
1297			,	
1298	393	Schists		Outcrop occurs as a vertical cliff right before the top of the hill. Beautifully
1299 1300		Quartzite Pegmatite		pin-striped schist, quartzites ? and pegmatite pods cutting rock, with a huge quartz crystal in it, maybe 2' x 2'. Sample 393.1 (quartzite) and 392.2.
1301		reginante		Convoluted folds developed in schist. Well developed fracture faces
1302				oriented *****.
1303	20.4	***		
1304 1305	394	Kinsman		Highly strung out Kinsman? Sample 394 collected.
1306	395	Kinsman		Fairly undeformed Kinsman.
1307 1308	396	Kinsman		Deformed Kinsman. Well developed fabric.
1309				•
1310 1311	397	Kinsman		Sample 397.
1312	398	Kinsman		Red rusty weathering color. Sample 398 collected.
1313 1314	399			Pegmatite coming into Kinsman? Sample 399 collected.
1315				reginative coming into remainant. Sample 377 conceeds.
1316	400	Kinsman		Sample 400.
1317 1318	401	Schist		Schist, micaceous, high muscovite content. Sample 401.
1319				
1320 1321	40 <i>2</i> 	Schist Pegmatite		Schist with pegmatite intruding, high muscovite. Content well foliated. Samples 402.1, 402.2, and 402.3 (intrusive pod?).
1322		1 eginana		Samples 702.1, 702.2, and 702.3 (initiasive pout.).
1323		Kinsman		Outcrop is only slightly questionable. Sample 403.
1324				

	A	В	C	D
1	Station Number	Lithologies	Foliation Orientations	Notes
1325	404	Kinsman		Collected by Scott, up eastern branch of Kineo Brook.
1326	105	***		
1327	405	Kinsman		Kinsman intrusive collected at confluence.
1328 1329	106	Vinaman		Small outgroup of Vinamon
1330	400	Kinsman		Small outcrop of Kinsman.
1331	407	Kinsman		
1332	107			
1333	408	Kinsman		Tectonized Kinsman, creating a small waterfall in Kineo Brook
1334				-
1335	409	Kinsman		Outcrop of Kinsman in canyon slope.
1336	410	T7'		0 11 (777)
1337 1338	410	Kinsman		Small outcrop of Kinsman.
1339	<i>1</i> 11	Kinsman		Nicely exposed Kinsman, definitely Kinsman, but contains little mafics,
1340	711	Kilisiliali		very little biotite present, enhedral Feldspar crystals and a good size fraction
1341				of quartz. Not tectonized.
1342				
1343	412	Kinsman		Tectonized kinsman.
1344	410	***		
1345 1346	413	Kinsman		Small outcrop of kinsman.
1340	414	Kinsman		Questionable outcrop of Kinsman.
1348	414	Kilisilali		Questionable outcrop of Kinsman.
1349	415	Kinsman		
1350				
1351	416	Kinsman		Outcrop of Kinsman which forms a little bench in brook Brook should be
1352				split here.
1353	417	17.		
1354 1355	41/	Kinsman		Channel flowing directly on bedrock.
1356	418	Kinsman		Questionable outcrop.
1357	410	Kinsinan		Questionable outerop.
1358	419	Kinsman		Outcrop of Kinsman.
1359				
1360	420	Kinsman		
1361	421	Vinaman		Large outgroup of Vincence in the bound of demails and formation of the large of th
1362 1363	421	Kinsman		Large outcrop of Kinsman in the brook and forming a knob on east side of brook, tectonized and of variable composition. Outcrop is highly variable
1364				high biotite content Kinsman on western side of contact bordering, quartz
1365				rich sections on east side, which has tourmaline crystals weathering out on
1366				surface, and possible inclusions of schist.
1367				-
1368	422			High biotite content and quartz content to well foliated Kinsman.
1369	422	Vinaman		Not so hadly deformed Vincour, Ouits - Lit -f f-11
1370 1371	423	Kinsman Feldspar		Not so badly deformed Kinsman. Quite a bit of feldspar, outcrop is questionable.
1371		reidspai		questionable.
1373	424			Kinsman cut by later stage (?) dikes and pods of pegmatitic Kinsman.
1374				Pegmatitic Kinsman contains lots of large white feldspar, with tourmalines
1375				and biotite/
1376				
1377	425	Kinsman		Nice outcrop of Kinsman in brook. Brook has cut directly into bedrock

	A	В	C	D
	Station Number	Lithologies	Foliation Orientations	Notes
1378 1379				exposing Kinsman with a spotted texture in brook (white Feldspar against the darker biotite).
1380 1381 1382		Kinsman		Stream carving channel into bedrock of Kinsman fair-lightly deformed, forming a little canyon.
1383 1384 1385		Kinsman		Well foliated Kinsman, Fabric trends: N16E,88SE; fault plane: N4W,80E. Striations with a rake of 75 degrees opening to the south.
1386 1387 1388		Kinsman		
1389 1390	429	Kinsman		
1391 1392		Kinsman		
1393 1394		Schist		Questionable outcrop of Schist. Losts of Schist in drift.
1395 1396 1397 1398		Schist	N17E,32SE	Schist, massive unfoliated micaceous Schist to beautifully pin-striped schist. Good Gulch to observe the difference between foliated Kinsman and the Schist (upper Rangely?) - rusty weathering color.
1399 1400		Schist		Sillimanite, muscovite, feldspar? Schist with minor biotite and quartz.
1401 1402	434	Schist		Grungy poorly foliated schist.
1403 1404	435			Schist with pod of pegmatite or mafic poor Kinsman?
1405 1406	436	Schist		Massive poorly foliated Schist no rusty weatering stain.
1407 1408 1409	437	Schist		Massive poorly foliated schist., foliation too poor to obtain orientation. Photo 1 taken here looking N-NE.
1410 1411	438	Schist		Massive Schist.
1412 1413 1414 1415				Channel cuts down into bedrock. Mylonite (?) massive homogeneous matrix of nothing but green-blue crystals, other sections of this little outcrop have Schist (?) that is just packed full of Goethite, rocks are rubblized. Shear zone? orientation N30E??
1416 1417 1418		Schist	N2E,64E	Granular Schist weathered brown.
1419 1420 1421 1422		Schist		Schist with little crystals or pockets of a very dark bright green mineral. Tremolite? Actinolite? Set in a light gray ground mass of quartz and feldspar and other minerals? Outcrop still occurs in little canyon cut by the brook.
1423 1424	442	Schist	N37E,56NW	Well foliated black/white schist, almost completely biotite and quartz.
1425 1426	443	Schist		Granular schist, pink feldspar (orthoclase?), biotite and quartz.
1427 1428 1429		Schist		Poorly foliated grungy looking schist, possible hydrothermal alteration muscovite, feldspar (othroclase?) Poor foliation quartz, biotite. Upper Rangely?

	A	В	С	D
1	Station Number	Lithologies	Foliation Orientations	Notes
1430 1431 1432		Schist		Poorly foliated tan colored schist.
1432 1433 1434				Grainy feldspar, quartz, mica schist, hyrothermally altered.
1435 1436	447		N23W,48NE	Pin-striped schist, rock is mostly biotite and quartz, beautiful pin-stripes.
1437 1438	448			Very grainy, biotite, quartz, feldspar rock, schist or tectonized Kinsman??
1439 1440 1441	449			Kinsman or Schist?; feldspar (white), biotite, tourmaline and a few nice large red garnets.
1442 1443 1444 1445		Schist	Variable	Large Sillimanite? crystals; they are the color of pencil lead. Pinstriped schist, of massive texture. The minerals inside pinstripes aren't discernable because so fine grained. Rock is a gray/white color. Calc-silicate boudins?? present.
1446 1447 1448 1449	451	Kinsman?		Highly tectonized Kinsman?? Granular black white rock, foliated feldspar and biotite.
1450 1451 1452	452	Kinsman		Foliated Kinsman. Contact was put in between Station 450 and 451, but is very elusive, there is good control due to the amount of outcrop but they grade into each other from foliated Kinsman to altered, granular Schist.
1453 1454 1455	453	Kinsman		Fine grained granular Kinsman? Minerals are mostly biotite and Feldspar and Quartz. Foliated.
1456 1457 1458 1459	454	Kinsman Feldspar		Dike of large grained feldspar (white) and a small amount of mafics cutting more fine grained foliated Kinsman?
1460 1461	455	Schist Kinsman		Piece of hydrothermally altered pin-striped schist within Kinsman.
1462 1463 1464 1465	456	Kinsman		Dikes and pods of Kinsman intruding massive gray rock. Aphanitic (due to movement??) Kinsman??
1465 1466 1467 1468	457	Kinsman		Intrusive Kinsman? almost looks like concord granite here, fine grained, no large phenocrysts, equigranular muscovite present??? Little biotite.
1469 1470	458	Kinsman		Kinsman, very tectonized and possibly hydrothermally altered.
1470 1471 1472 1473	459	Kinsman		Large mafic dike cutting Kinsman, poor exposure, the dike is much covered. Orientation: N72E,60NW. Size: about 2.07 m wide.
1474 1475 1476 1477	460	Kinsman		Tectonized intrusive almost looks like Concord Granite, but am calling it Kinsman. Lots of quartz, fine grained, almost equigranular but quartz grains and a little bit larger grainy texture.
		treams through this area is	very confusing. I mapped i	in detail the major branch, it was carrying the most water, had a clearly define

it was dry the majority of the time and did not start at the confluence of the 2 major branches but about 80' north of them. It appears to be in the relation of what they show as the major branch of Kineo Brook but I drew it in to the west. A6PS unit would have to be used to get it exact. Although I'm

	A	В	С	D
1	Station Number	Lithologies	Foliation Orientations	Notes
1483				
1484				
1485	461	Schist		Questionable outcrop. Schist grainy, striped schist. Lots of schist in drift.
1486				7,
1487	462	Schist		Occurs at steep section of draw, water flow completely disappears
1488	102	Semse		underground. Schist; biotite quartz, pink feldspar and a fair amount of
1489				muscovite. Foliated but grainy. Outcrop is questionable.
1490				muscovite. I offated but grainy. Outerop is questionable.
1491	162			Outcrop occurs as a large knob on east side of drainage where slope gets
1491	403			
				steep, outcrop is still questionable. Pin striped biotite-quartz schist?
1493				Sillimanite present?? Very small pegmatite dike cutting across outcrop.
1494	161	T7.		
1495	464	Kinsman		Tectonized feldsic Kinsman, small amount of mafics dominated by potassic
1496				(?) feldspar.
1497				
1498	465	Kinsman		Kinsman, mafic-quartz-white feldspar intrusive.
1499				
1500	466	Kinsman		Foliated, very tectonized kinsman, with dikes (?) of kinsman cutting
1501				kinsman, very good outcrop. Brook has cut directly into bedrock.
1502				
1503	467	Kinsman		Small fault zone85 m wide, red iron staining leaching out of rocks,
1504				developed within the kinsman. Orientation: N78E.
1505				
1506	468			Stream is on bedrock. Typical Kinsman big feldspar crystals (white) and
1507				lots of mafics (mostly biotite). Lots of mafics (mostly biotite).
1508				
1509	469	Kinsman		Tectonized Kinsman, outcrop is questionable.
1510				
1511	470	Kinsman		Tectonized Kinsman.
1512				
1513	471	Basalt		Very suspect outcrop of Basalt. No orientations possible. Not put on map.
1514				
1515	472	Kinsman		Leucratic Kinsman?? Heavily intrusive tectonized. Large feldspar crystals
1516				50%, quartz 40%, muscovite? 5%, biotite < 1%. Looks tan, not black-white.
1517				Occurs as a little waterfall in brook.
1518				
1519	473	Kinsman		Tectonized Kinsman. Massive blocks of loose basalt sitting in brook.
1520				(6' x 6' est.)
1521				(on o com)
1522	474	Kinsman		Very large basaltic (mafic) dike cutting Kinsman. Poorly exposed drift
1523		Basalt		covers most of the exposure. Thickness: Very approximate 4 m thick.
1524		- would		Orientation: (apparent) N56E,41SE.
1525				Onomination (upparone) 1150D, 715D.
1526	475	Kinsman		
1527	113	1 XIII OIII GII		
1528	476	Kinsman		
1529	Ŧ1 U	Exmolliqui		
1530	Δ77	Kinsman		Kinsman, cut by small dike of whiter (larger feldspar crystals) Kinsman.
1531	711	minoman		Brook makes little furrow directly in bedrock.
1532				Brook makes inthe furiow directly in bedfock.
1532	178			Foliated pinstriped rock. Schist?? or just very badly deformed Kinsman.
1534	7/0			Tonated phistriped rock. Schist:: of just very badily deformed Khishian.
1535	<i>1</i> 70			Kinsman or Schist?? Striping present, foliated very fine grained biotite-
1333	T 17			Amenian of Schister Surpring present, foliated very fine grained biotile-

	A	В	C	D
	Station Number	Lithologies	Foliation Orientations	Notes
1536 1537				quartz-feldspar. Rock weathers a light tan and has a good 2" rind of yellow looking schisty weathering rind, but is black/white in middle.
1538 1539 1540 1541				Composition is Kinsman, may be a little muscovite present but stripping and foliation classify it as a schist. Maybe we should put a foliated facies on the map?
1542 1543 1544 1545				Where the Kinsman is so foliated it is a schist and grades imperceptibly into rebulitic schist, which I still do believe rings the valley rims, but may be less here than first assumed.
1546 1547 1548	480			Pinstriped Kinsman or schist?
1549 1550	481			Pinstriped Kinsman or schist? Weathers to a pink tan, not at all like Kinsman.
1551 1552	482			Pinstriped Kinsman or schist?, garnets present as well as sillimanite. Schist? Samples photographed.
1553 1554 1555	483			Schliern? "raft" structures. Kinsman interfingering schist?? Two photos taken of this.
1556 1557 1558 1559	484			Good sized fault zone. Iron oxide leaching out of rocks, quartz smeared into veins and goethite is a mojor component of the rock. Trending: (roughly) N46E. Has created a good deal of rock flour and clay minerals? in zone.
1560 1561	40-7			Estimated 50' wide. Glacial striations: S43E, S42E, S46E.
1562 1563		Kinsman		Tectonized nebulitic Kinsman but definitely Kinsman.
1564 1565	486			Pin-striped schist or kinsman?
1566 1567		Kinsman		Tectonized kinsman.
1568 1569	488			Mafic dike (very poorly exposed). Thickness: 5.2 m at least Orientation: N10W,70SW (measured from a fracture).
1570 1571 1572 1573	489			Dike again. Stations 474, 488, and 489 are the same dike and it is trending N70E.
1574 1575	490	Schist		Outcrop is very questionable.
1576 1577	491	Schist		Schist?, muscovite biotite, quartz, feldspar, actinolite?
1578 1579 1580	492			Schist? or Kinsman?? Schist contains garnets, actinolite?-tremalite?, quartz, biotite, feldspar and a little muscovite.
1580 1581 1582 1583 1584	493	Rangely Schist		Upper Rangley schist, massive, well foliated but lacking pin-striping. Schist with lots of muscovite and biotite. Cut by large tabular dike of pegmatitic Kinsman (about 1m thick).
1585 1586	494	Kinsman		Tectonized kinsman, few mafics.
1587 1588	495	Kinsman		Kinsman intrusive, very light colored almost no mafics present, muscovite?, garnets, quartz and large enhedral feldspar crystals.

	A	В	C	D
1	Station Number	Lithologies	Foliation Orientations	Notes
1589 1590 1591 1592 1593	496	Schist		Finely pin-striped micaceous schist, lots of muscovite and biotite. Weathers to a grungy brown weathering color, outcrop occurs as a little gorge in the brookl Upper Rangely?
1593 1594 1595 1596	497	Schist	N14E,66SE	Well foliated micaceous schist, weathers a grungy brown color. Upper Rangely?
1597 1598	498	Kinsman		Quartz rich fingers of Kinsman, equigranular to pegmatitic.
1599 1600	499			Well foliated micaceous, muscovite-biotite-quartz schistUpper Rangely.
1601 1602 1603	500			Mylonitemylonitized schist?rock is homogeneous blue-green mineral similar to that found in Canyon Brook.
1603 1604 1605 1606	501	Schist		Schist, full of sillimanite, and a dark green mineral, epidote? lactinolite? It's a dark green mineral that occurs in clusters.
1607 1608	502	Schist		Beautiful waterfall, more of 501
1609 1610	503	Kinsman		Tectonized kinsman??
1611 1612		Kinsman		Tectonized kinsman??
1612 1613 1614 1615		Kinsman		Kinsman, large white crystals with long black ****** crystals cutting them.
1616 1617		Kinsman		Tectonized kinsmanoutcrop is where brook flowing directly on bedrock
1617 1618 1619		Kinsman		Tectonized kinsman?
1620 1621 1622		Kinsman		Tectonized kinsman. Quartz rich equigranular but foliated, with some more of those black veins? running through them, looks very mafic, solid black.
1623 1624				Schist?? or tectonized Kinsman??
1625 1626	510	Kinsman		Tectonized kinsman?, outcrop is questionable.
1627 1628 1629	511	Schist	N34E,85SE N41E,86SE	Schist??, outcrop questionable.
1630 1631 1632 1633	512	Schist		Questionable outcrop, schist? Could be very tectonized Kinsman but I don't think so: Massive, granular rock contianing actinolite?, garnets, quartz (lots), feldspar, and biotite.
1634 1635	513	Kinsman		Tectonized Kinsman, large outcrop
1636 1637 1638 1639 1640 1641	514	Kinsman		Highly tectonized Kinsman occurs as a large cliff face with rounded knobs on top. Or schist?? Grades into such fine grained highly micaceous foliated rock, that I'm calling it a schist, which contains abundant diopside: actinolite. Many surfaces covered with black surfaces, could be psuedotachylite fault surfaces or manganese mineralization but I think it could be faulted to bring mineralization into planes anyway, planes trending: N64E,66SE, fabric

	A	В	C	D
1	Station Number	<u>Lithologies</u>	Foliation Orientations	Notes
1642				foliation is sub-horizontal.
1643 1644		Kinsman		Black surfaces are mineralized fractures and tectonized kinsman.
1645		Kilisiliali		black surfaces are initieralized fractures and tectonized knisman.
1646		Kinsman		Granular, diopside? actinolite? rich rock, with large fibrous sillimanite
1647				crystals beginning to form. Metamorphosed Kinsman? It seems to me to
1648				be a metamorphic rock, and Kinsman. Its indirect contact with Kinsman
1649				that is not so badly metamorphosed.
1650 1651		Kinsman		Tectonized kinsman?? grading into more of 516 type rock.
1652		Kilisiliali		rectoffized kinishian: grading into more of 510 type fock.
1653	518			Large outcrop of pegmatite or pegmatitic kinsman, graphitic intergrowths of
1654				feldspar and quartz.
1655				
1656	519	Kinsman		More metamorphosed Kinsman?
1657 1658	520		N55W,82NE	Metamorphic rock, pinstriped schist (biotite rich, muscovite also present).
1659			1133 W,0211L	Schist of the Kinsman formation? metamorphosed kinsman?
1660				
1661	521	Kinsman		Photo taken looking NE, more metamorphosed kinsman?
1662 1663	522	Schist		So metamorphosed I have to call it sillimanite? diopside? actinolite?
1664	322	Semst		so inclamorphosed i have to can't similante: diopside: actinonte:
1665				Metamorphosed kinsman or schist? Outcrop questioable. Pinstriping is well
1666				defined, good foliation. Outcrop in steep brook among the pines (thick).
1667				Mara matamamhagad himaman ar aghist? Sama ragh ag 510 522
1668 1669				More metamorphosed kinsman or schist? Same rock as 519-523.
1670				MMK? or schist??
1671				
1672				More granular has lots of quartz, and feldspar crystals. Looks more
1673 1674				intrusive, but still has diopside? actinolite? present.
1675				Very Schistose, biotite-quartz-feldspar.
1676				Table 1
1677				Granular, massive MM, Kinsman?? No observable foliation orientation.
1678				
1679 1680		Kinsman		Definitely kinsman, foliated biotite (lots and in large flakes) and quartz plus feldspar, looks very much different than that described above, no specifically
1681				metamorphic minerals present.
1682				
1683	530	Kinsman		Foliated kinsman.
1684				
1685		Kinsman		Kinsman tectonized.
1686 1687		Loms,am		Very normal looking.
1688	1	201115,4111		Tory normal tooking.
1689	533	Kinsman		Kinsman, cutting large pegmatite or pegmatitic Kinsman dike.
1690		IZ'		
1691 1692	354	Kinsman		Outcrop occurs as a cliff face of Kinsman against which steep brook is flowing, 2 dikes of pegmatite or pegmatitic kinsman cut the outcrop
1692				(sub-vertically).
				(Sub-Fortibuliy).
1694				

	A	В	С	D
	Station Number	Lithologies	Foliation Orientations	Notes
1695	535	Kinsman		
1696 1697 1698	536	Kinsman		
1699 1700	537	Kinsman		
1701 1702	538	Kinsman		Heavily tectonized Kinsman very well foliated.
1703 1704	539	Kinsman		
1705 1706	540	Kinsman		
1707 1708 1709 1710 1711		Kinsman		Outcrop occurs as a large (30' high x 100' wide at least) boulder on the east side of steep Brook. The outcrop is a well exposed inchision block (a large % of the outcrop) surrounded by Kinsman and shot through by pegmatitic Kinsman, Schist upper Rangely(?) micaceous schist which weathers a grungy brown, well foliated
1712 1713 1714 1715		Schist	N14W 73NW	Micaceous, has quite a bit of goethite and muscovite; weathers clean' with
1716 1717 1718 1719	343	Semst	1114W 7314W	little to no staining to a tan color. Outcrop occurs as a flaggy rock outcrop in the middle of steep brook. bedding planes present/; some of this is well foliated our units poorly foliated.
1720 1721 1722		Schist	N42W 80NE N24W 80NE	Outcrop occurs in steep Brook gorge. Micaceous layers to granular layers
1723 1724 1725				Outcrop occurs on NW foot of knob. Pegmatited dikes and pods, coming into quartzites of the Perry Mountain.
1726 1727 1728 1729 1730		Schist		Soft (mashes with the blow of a hammer) schist with lots of sillimanite and biotite. Outcrop occurs at the top of the divide; just on the south side. Perry Mtn. foliation is drawn into folds N44W. Glacial striations: S25E; S20E; S21E; S25E; S23E; S20E; S20E; S24E.
1731 1732 1733	547	Schist	N77E 65NW	Schist with lots of sillimanite garnet and micas. Foliation orientation N77E,65NW although highly folded.
1734 1735	548	Schist		Schist actinolite (?) present in the rock.
1736 1737	549	Quartzites		Quartzites of Perry Mtn.
1738 1739	550	Schist		
1740 1741 1742	551	Schist		Schist large sillimanite crystals cutting across a jumbled array of biotite with lesser amounts of quartz and pink feldspar
1743 1744 1745	552		N55E 66NW	Concord granite in contact with schist contact orientation is: N48E 45NW. Foliation orientation of schist is N55E 66NW.
1746 1747	553		N68E 72NW	Grainy quartz-biotite units bedded withmicaceous units with large crystals of sillimanite biotite actinolite (?)

	A	В	C	D
	Station Number	Lithologies	Foliation Orientations	Notes
1748 1749 1750	554	Schist		Large crystals of mica (mostly biotite) and sillimanite.
1751 1752	555	Schist		
1753 1754 1755	556	Schist		Large micaceous sillimanite layers and fine grained biotite. Quartz layers. Sillimanite-biotite layers also have lots of garnet present.
1756 1757 1758 1759	557	Schist		Large pavement glacially smoothed with convoluted folds. Sillimanite weathers out as a positive relief feature. Coarse grained sillimanite biotite schist. Fine grained schist.
1760 1761	559	Schist	M42E 82SE	
1762 1763	560	Schist		
1764 1765	561		N40E 77NW	Concord granite good sized finger bounded by schists.
1766 1767	562	Schist		High sillimanite content.
1768 1769 1770 1771	563	Schist	N74E 62NW	Schist pin-striped to finely laminated massive large garnets present in more randomly oriented large biotite-sillimanite crystal area; convoluted folds developed
1772 1773 1774 1775	564	Schist		Photots taken only good vist available. One looking from divide of Hubbard Brook drainage looking SE into the Pemigawaset (sp?) River . The second one was shot NE into Hubbard Brook drainage although Mirror Lake cannot be seen.
1776 1777 1778		Pegmatite		Outcrop is a large knob of rock schist cut by pegmatite dikes.
1779 1780	565	Schist		Upper area appears to be all schist
1781 1782	566			Concord granite fairly large sized outcrops.
1783 1784	567	Quartz		Quartz rich zone, Perry Mtn.?
1785 1786	568	Granite		Concord granite good sized are, pegmatites cutting granite.
1787 1788 1789	569	Grantite Schist		Contact between Concord and Schist: N30E, subvertical, sharp contact.
1790 1791	570	Schist	N19E, 71SE	Little quartz present.
1792 1793 1794	571	Granite Schist		Large cliff face trending N25E,84Se (maybe 30" tall) of Concord granite interfingering schist. Most all of this schist is poorly foliated.
1794 1795 1796	572	Schist		Perry Mtn.??
1790 1797 1798	573	Concord granite		
1799 1800		Schist Quartzite	N57E, 89SE N67E,84SE	Perry Mtn. Fm. Schist/Quartzite. If these are meta-turbidites it would indicate tops to the SE. Two photos taken, heads of hammers are pointed

	A	В	C	D
1	Station Number	<u>Lithologies</u>	Foliation Orientations	Notes
1801			N49E,88NW	north in both. Third picture taken of whole view, without flash, head of
1802 1803				hammer pointed north again.Bottom sequence"A: maybe a meta-arkose because of the feldspar present. Meta-turbidites?
1804				because of the relaspar present. Weta-turbidities:
1805	575	Perry Mtn. Schist		
1806		•		
1807	576	Perry Mtn. Schist	N79E,59SE	
1808 1809	577	Quartz		Large quartz-rich zones.
1810		Quartz		Large quartz-rich zones.
1811		Quartz		Large quartz-rich zones.
1812				
1813	579		N60E,84NW	Perry Mtn. quarzite schist layers. Outcrop occurs as a large rounded knob
1814 1815				of rock.
1816	580	Schist	N42E,87NW	
1817			7-	PMF schist
1818	581	Schist	N56E,89NW	
1819	592	0.1.1.4	NIAOF ZENINI	PMF? shcist, pegmatite cutting outcrop. Not much quartzite.
1820 1821	582	Schist	N48E,75NW	
1822	583			
1823				Smoothed knob, pavement developed on Perry Mtn., but stained black,
1824				looks like quartzite but hard to get at. Glacial striations: S5ES4E; S2ES4E.
1825	504	C 1		May be too weathered to do any good.
1826 1827	384	Concord granite		
1828	585	Concord gratite		
1829		C		Concord granite with block inclusions of Schist (PMF?)
1830	586	Concord granite		
1831 1832	507	Concord		Lots of sub-horizontal fractures.
1833	367	Colicord		
1834	588	Schist		
1835		Concord		Schist with Concord interfingering.
1836	7 00	G 11.	N.41W. 000W.	
1837 1838	389	Schist	N41W,89SW	Schist, large sillimanite crystals weathering out of rock.
1839	590	Schist		Senist, large similianite crystals weathering out of fock.
1840	-			Schist dominated by large biotite flakes, Rangely or Perry Mtn.?
1841				Convoluted folds.
1842	591	Concord granite		
1843 1844				Concord granite, pegmatitic on south end, regular equigranular in center, nebulitic on North end.
1845	592	Schist		nebunde on ivolul cita.
1846				Grungy black schist with lots of Sillimanite, poorly developed foliation
1847				interfingers into concord granite, which comprises most of the outcrop
1848				(at least- traceable -for 30" pod). I think schist could be upper Rangely-
1849 1850		Mylonite		football sized Quartz boudin present.
1851	373	1v1y10IIIC		Mylonite?
1852		Schist	N41W,87SW	y
1853				Black schist?? Micaceous, flaggy appearance.

	A	В	C	D
	Station Number	Lithologies	Foliation Orientations	Notes
1854		Schist	N7W,83SW	
1855				Schist interlayered with quartzite. Layers Upper Rangely?? or Perry Mtn??
1856 1857	507	Kinsman		Flaggy appearance lots of quartzites(?)
1858	391	Kilisiliali		Kinsman (tectonized) nice white-black intrusive. Outcrop occurs as large
1859				rock faces that jut out on the eastern side of canyon at mouth of steep
1860				Brook Gorge, and in brook at mouth of gorge.
1861		Kinsman		
1862				Kinsman at confluence of Hubbard and Steep Brooks.
1863	599	Kinsman		
1864	c00	T7'		Questionable outcrop of Kinsman in brook.
1865 1866		Kinsman		Vincence longs foldered when convets, good ion cove toy type
1867		Kinsman		Kinsman, large feldspar phenocrysts, good igneous texture.
1868		Kilisiliali		Large porn over in brook where Kinsman crops out
1869		Kinsman		Zurge point over in erook where riminimum erops out
1870				
1871	603	Kinsman		
1872	-0.4	***		
1873	604	Kinsman		Nicologo Caldonos constala hat mat to a march ma Car
1874 1875	605	Kinsman		Nice large feldspar crystals but not too much mafics.
1876		Kilisiliali		South of trail.
1877		Kinsman		
1878				Fairly fractured (a few little pressure(?) ridges, where fractures can be seen)
1879				Do not seem to be calcaceous.
1880 1881	607	Kinsman		
1882	608	Kinsman		
1883		Kilisiliali		Occurs as flat pavement in Hubbard Brook.
1884		Kinsman		occurs as nav partenant in macoura Broom
1885				Occurs as flat pavement in Hubbard Brook.
1886	610	Kinsman		
1887	C1.1	17.		
1888 1889		Kinsman		Very tectonized Kinsman with few mafics.
1890		Kinsman		very tectonized Kinsman with few mattes.
1891				Kinsman in the middle of Hubbard Brook with glacial striations:
1892				S46E; S53E; S55E; S48E; S50E; S46E
1893	613	Kinsman		
1894				Glacially smoothed oucrop of Kinsman in, and on, North bank of
1895		V:		Hubbard Brook.
1896 1897	014	Kinsman		Outrcrop is questionable Kinsman
1898	615	Kinsman?		Outletop is questionable Kinsman
1899				Very questionable outcrop of Kinsman.
1900		Kinsman		
1901				Kinsman, very weathered. Glacial striations: S45E, S60E, S51E
1902				Poor control.